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(54) Title: ISOLATED NUCLEOTIDE SEQUENCES RESPONSIBLE FOR THE TOMATO HIGH PIGMENT-1 MUTANT PHENOTYPES (HP-1 AND HP-1W) AND USES THEREOF

(57) Abstract: The present invention provides isolated nucleotide sequences responsible for the tomato *high pigment 1* (*hp-1*) and *high pigment 1<sup>w</sup>* (*hp-1<sup>w</sup>*) phenotypes, wherein said sequences comprises an altered tomato *DDB1* gene sequence or fragment thereof, wherein said the alteration in said altered sequence or fragment comprises an A-to-T transversion at nucleotide 931 of said *DDB1* gene sequence in the case of *hp-1* and a G-to-A transition at nucleotide 2392 of said *DDB1* gene sequence in the case of *hp-1<sup>w</sup>*.



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